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(54) Title: TARGET AND METHOD FOR INHIBITION OF BACTERIAL RNA POLYMERASE

RPOC_ECOLI (736) QIRQLAGMRGLM	(779) ARK
RPOC_HAEIN (737) QIRQLAGMRGLM	(780) ARK
RPOC_VIBCH (736) QIRQLAGMRGLM	(779) ARK
RPOC_PSEAE (736) QIRQLAGMRGLM	(779) ARK
RPOC_TREPA (703) QIRQLAGMRGLM	(746) ARK
RPOC_BORBU (699) QIRQLAGMRGLM	(742) ARK
RPOC_XYLFA (759) QIRQLAAMRGLM	(802) ARK
RPOC_CAMJE (734) QISQIAAMRGLM	(777) ARK
RPOC_NEIMA (738) QIKQLSCMRGLM	(781) ARK
RPOC_RICPR (730) QIKQLGMRGLM	(773) MRK
RPOC_THEMEA (1010) QVKQLLAGIRGLM	(1072) ARK
RPOC_CHLTR (736) QLKQLGALRGLM	(779) ARK
RPOC_MYCPN (820) NFTQLFGMRGLM	(874) ARK
RPOC_BACSU (740) NFTQLACMRGLM	(783) ARK
RPOC_STAAU (744) NFTQLAGMRGLM	(787) ARK
RPOC_MYCTU (813) QTRTLAGMKHLV	(856) ARK
RPOC_SYNY3 (763) QVRQLVGMRGLM	(806) ARK
RPOC_AQUAE (850) QIRQLAGMRGLM	(893) ARK
RPOC_DEIRA (1052) QIRQLAGMRGLM	(1095) ARK
RPOC_TTHER (1034) QIRQLCGLRGLM	(1077) ARK
RPOC_THEAQ (1034) QIRQLCGLRGLM	(1077) ARK
RPA1_HUMAN (908) NTMQQISCLL4QI	(971) GRB
RPB1_HUMAN (780) N1SOVIAVVGQQ	(843) GRB
RPC1_HUMAN (791) N1SQMIACVGQQ	(854) GRB

Bacterial RNA polymerase

Human RNA polymerases I, II, and III

(57) Abstract: This invention discloses targets and methods for specific and inhibition of RNAP from bacterial. Figure (I) illustrate a sequence alignment for the target acid residues (736-747) and (779-781) of the B' subunit of RNAP from microorganism and human bacteria.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/27457

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53;C12Q 1/37
US CL : 435/7.1, 4, 23, 24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/7.1, 4, 23, 24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST/NPL :MccJ25 analog, inhibits bacterial RNAP

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DELGADO et al. Escherichia coli RNA polymerase. J.Bacteriology. 2001. Vol 183 No 15, abstract only.	1-2

Further documents are listed in the continuation of Box C.

See patent family annex.

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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